

Second Annual John Beidler FMEL Graduate Student Research Symposium

November 5, 2020 – FMEL Live Stream Event*

- 9:00 *Welcome* **Dr. Jorge Rey** – Director, Florida Medical Entomology Laboratory
9:05 *“John Beidler”* **Dr. Gordon Patterson** – Professor, School of Arts and Communication
Florida Institute of Technology, Melbourne, FL

Graduate Student Presentations

Dr. Derrick Mathias – Chair, FMEL Graduate Student Committee
Tse-Yu Chen, Xiaodi Wang – Symposium Chairs

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- 9:15 *Evaluating sampling strategies for VEE vectors in Florida and Panama*
– **Kristin Sloyer**
- 9:30 *Activation of the autophagy pathway affects Dengue virus infection in Aedes aegypti*
– **Tse-Yu Chen**
- 9:45 *Impact of fluorescent powders on Aedes aegypti mating process*
– **Diana Rojas Araya**
- 10:00 *Metabolic Resistance in Florida Aedes aegypti Populations*
– **Sierra Schluep**
- 10:15 *The effects of temperature and humidity on Rhipicephalus sanguineus survival*
– **Yuexun Tian**
- 10:30 --- break ---
- 10:45 *The Role of Predation in Determining Traits of a Mosquito and Infection with Zika Virus*
– **Shawna Bellamy**
- 11:00 *Comparison of Vector Competence for Dengue Virus between Distantly Related Populations of Aedes aegypti*
– **Xiaodi Wang**
- 11:15 *Fine Scale Variability and Methodological Comparison in Larval Culicoides Sampling*
– **Theodore Black**
- 11:30 *Lethal and nonlethal effects of insect growth regulator and predation on Aedes aegypti*
– **Abdullah Alomar**
- 11:45 *Vector Competence of Aedes aegypti Influenced by Larvicide Exposure*
– **Robert Aldridge**
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*Please contact Tse-Yu (papilioninae@ufl.edu) or Xiaodi (xiaodiwang@ufl.edu) to request a zoom link if you are interested in attending the symposium.

